Rabbit Anti-K-ras Polyclonal: RC0311-1, RC0311RTU7

Intended Use: For Research Use Only

Description: The mammalian Ras (also designated v-Ha-Ras, Harvey rat sarcoma viral oncogene homolog, HRAS1, K-Ras, N-Ras, RASH1 or c-bas(HAS)) gene family consists of the Harvey and Kirsten Ras genes (c-H-Ras1 and c-K-Ras2), an inactive pseudogene of each (c-H-Ras2 and c-K-Ras1) and the N-Ras gene. The three Ras oncogenes, H-Ras, K-Ras and N-Ras, encode proteins with GTP/GDP binding and GTPase activity. Ras proteins alternate between an inactive form bound to GDP and an active form bound to GTP, activated by a guanine nucleotide-exchange factor (GEF) and inactivated by a GTPase-activating protein (GAP). Ras nomenclature originates from the characterization of human DNA sequences homologous to cloned DNA fragments containing oncogenic sequences of a type C mammalian retrovirus, the Harvey strain of murine sarcoma virus (HaMSV), derived from the rat. Under normal conditions, Ras family members influence cell growth and differentiation events in a subcellular membrane compartmentalization-based signaling system. Oncogenic Ras can deregulate processes that control both cell proliferation and apoptosis.

Specifications
Clone: Polyclonal
Source: Rabbit
Isotype: IgG
Reactivity: Human, mouse
Localization: Membrane
Formulation: Purified antibody in PBS pH 7.4, containing BSA and < 0.09% sodium azide (NaN3)
Storage: Store at 2°-8°C
Applications: IHC, ICC/IF, WB

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog No.</th>
<th>Size</th>
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<tbody>
<tr>
<td>K-ras Concentrated</td>
<td>RC0311-1</td>
<td>0.1ml</td>
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<tr>
<td>K-ras Prediluted</td>
<td>RC0311RTU7</td>
<td>7ml</td>
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</tbody>
</table>

IHC Procedure*
Positive Control Tissue: Placenta, heart cell lysate tissue
Concentrated Dilution: 50-200
Pretreatment: EDTA pH 8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual
* Result should be confirmed by an established diagnostic procedure.

References: